

Region 5 ICF-ESAT Document Control Number: 00175
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND AND EMERGENCY MANAGEMENT DIVISION

DATE: 11/24/21

SUBJECT: Review of Data
Received for Review on: 10/12/2021

FROM: Mihaela Delia Tinca, ICF Inc.
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THROUGH: Michelle Kerr
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Stage_2B_Validation_Electronic_And_Manual (S2BVEM) Data Review Narrative

We have reviewed the data for the following case:

SITE Name: Southeast Rockford Groundwater Contamination – Area 11 (IL)

Case No: 49620 MA No: N/A SDG No: EW5G1 SOW: SFAM01.1

Number and Type of Samples: 11 WATERS (11 SVOA, 7 SVOA-SIM)

Sample Numbers: EW5G1-EW5G9, EW5H0, EW5H1

Laboratory: ETB

Hrs. for Review:

The following are our findings:

Case No: 49620
Site Name: SE Rockford GW, Area 11 (IL)

Page 2 of 5
SDG No: EW5G1
Laboratory: ETB

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Eleven (11) water samples labeled EW1G5 through EW5G9, EW5H0 and EW5G1, were shipped to Eurofins Test America, located in South Burlington, VT. Samples were collected on 9/14/21-9/15/21 and received on 9/16/21 to 9/17/21 intact and properly cooled. All samples were analyzed for SVOA, and 7 samples were analyzed for SVOA-SIM, according to CLP SOW SFAM01.1, [Nov 2020] and reviewed according to the IL [2014] QAPP, the November 2020 NFG for SFAM01.1 and the Region 5 Organic CLP Validation SOP R5-LSASD-005-r0.

SAMPLE	COLLECTION DATE	RECEIVING DATE	TEMPERATURE
EW5G1	9/14/21	9/16/21	1.1 °C and 1.2 °C
EW5G4	9/14/21	9/16/21	
EW5G5	9/14/21	9/16/21	
EW5G6	9/14/21	9/16/21	
EW5G9	9/14/21	9/16/21	
EW5H0	9/14/21	9/16/21	
EW5G2	9/15/21	9/17/21	4.6 °C and 5.6 °C
EW5G3	9/15/21	9/17/21	
EW5G7	9/15/21	9/17/21	
EW5G8	9/15/21	9/17/21	
EW5H1	9/15/21	9/17/21	

Sample EW5G5 was designated by the samplers to be used for laboratory QC, i.e., MS/MSD analyses.

No sample was identified as a trip blank, field blanks or field duplicates.

The sample results have been reviewed for compliance with the IL QAPP worksheets and all non-compliance are described in Section 17. – QAPP Compliance

Reviewed by: MDT
Date: 11/24/2021

Case No: 49620
Site Name: SE Rockford GW, Area 11 (IL)

Page 3 of 5
SDG No: EW5G1
Laboratory: ETB

1. PRESERVATION AND HOLDING TIMES

NONE FOUND

2. GC/MS and GC/ECD INSTRUMENT PERFORMANCE CHECK

NONE FOUND

3. INITIAL CALIBRATION

NONE FOUND

4. INITIAL CALIBRATION VERIFICATION

NONE FOUND

5. CONTINUING CALIBRATION

NONE FOUND

6. BLANKS

NONE FOUND

7. DEUTERATED MONITORING COMPOUNDS / SURROGATES

NONE FOUND

8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

NONE FOUND

9. CLEANUP PROCEDURES

NONE FOUND

10. LABORATORY CONTROL SAMPLE

NONE FOUND

11. INTERNAL STANDARD

NONE FOUND

12. TARGET ANALYTE QUANTITATION LIMIT

Reviewed by: MDT
Date: 11/24/2021

Case No: 49620
Site Name: SE Rockford GW, Area 11 (IL)

Page 4 of 5
SDG No: EW5G1
Laboratory: ETB

Method - Semivolatiles

EXES-790

The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

EW5G3, EW5H1
1,4-Dioxane

13. TENTATIVELY IDENTIFIED COMPOUNDS

Not Validated.

14. SYSTEM PERFORMANCE

NONE FOUND

15. FIELD QC SAMPLES

Review not required under specified validation stage.

16. SAMPLE RESULTS

NONE FOUND

17. QAPP COMPLIANCE

The analytical package fulfilled the component QC requirements of QAPP Worksheets #12, #15, #19, #35, and #36.

Validation Data Qualifier Sheet

Qualifiers

Data Qualifier Definitions

U	The analyte was analyzed for but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the results may be biased high.
J-	The result is an estimated quantity, but the results may be biased low.
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data is unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
C	The Target Pesticide or Aroclor analyte identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).
X	The Target Pesticide or Aroclor analyte identification was not confirmed when GC/MS analysis was performed.